imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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Pushbutton Switches, 30mm, Round or Mushroom Buttons

FLUSH GUARD MOMENTARY

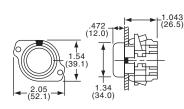
Metal Bushing

Contact blocks not supplied, order separately. (See page I8.)

Model	Special Details
M6010(*)	Momentary

(*) Specify color by adding suffix number:

(0) Black, (2) Red, (4) Yellow, (5) Green, (6) Blue, (9) White.



.630.

1.50 (38.0)

1.043

(26.5)

(1.043)

Contact Block Holder



M6010(*)

EXTENDED BUTTON MOMENTARY

Metal Bushing

Contact blocks not supplied, order separately. (See page I8.)

Model	Special Details
M6020(*)	Momentary

(*) Specify color by adding suffix number: (0) Black, (2) Red, (4) Yellow, (5) Green, (6) Blue, (9) White.

MUSHROOM HEAD MOMENTARY PUSH MAINTAINED

Metal Bushing

Contact blocks not supplied, order separately. (See page I8.)

Tyco Electronics	Alcoswitch	Special Details	Color
—	M6057(*)	Momentary	(*)
1437610-6	M60532	Push-Pull	Red
1-1437610-3	M60652	Push-Lock/Twist To Release	Red

(*) Specify color by adding suffix number:

(0) Black, (2) Red, (3) Orange, (4) Yellow, (5) Green, (6) Blue, (9) White.

LARGE MUSHROOM HEAD MOMENTARY PUSH

Metal Bushing

Contact blocks not supplied, order separately. (See page I8.)

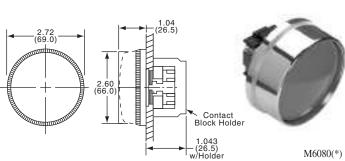
Tyco Electronics	Alcoswitch	Special Details	Color
1-1437610-2	M60582	Momentary	Red

LARGE GUARDED MUSHROOM HEAD MOMENTARY PUSH

Metal Bushing. Heavy duty metal bushing and guard. Contact blocks not supplied, order separately. (See page I8.)

Model	Special Details
M6080(*)	Momentary

(*) Specify color by adding suffix number: (0) Black, (2) Red, (5) Green.



UK: 44-141-810-8967

Catalog 1308390 Issued 9-04

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South America: 55-11-3611-1514 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013



M6057(*)

M60582

M6020(*)

Series 6000

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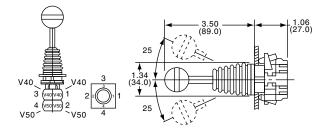
tyco

Series 6000

Selector Switches or Joysticks, 30mm



M65510



1.51 (38.4)

1.34 (34.0)

0.91 (23.0)

POSITION

5-POSITION JOYSTICK (4 Active & Center-Off)

Metal Bushing

Maintained or momentary model with or without mechanical latch. Inherent design requires use of N.O. and N.C. Contact blocks not supplied, order separately. (See page I8.) Supplied with legend plate (1-2-3-4), black knob.

CONTACT ARRANGEMENT

Contact blocks should be placed as shown. All contacts are held open in neutral position. Each number contact closed when activated. Model M65310 has only two active positions, requires one N.O. and one N.C. contact block.

Note: All positions are mutually exclusive and action must pass through neutral for all changes of operator level.

Tyco Electronics	Alcoswitch	Action					
3-1437610-5	M65310	Momentary, No Latch		(On)	Off	(On)	
_	M65500	Maintained, No Latch	On	On	Off	On	On
3-1437610-6	M65510	Momentary, No Latch	(On)	(On)	Off	(On)	(On)
3-1437610-7	M65810	Momentary w/Latch	(On)	(On)	Off	(On)	(On)
	(On) indicates momentary position.						

2-POSITION SELECTOR MAINTAINED

Metal Bushing

1.06

Metal Bushing

N.C. N.O. H 8

읭--

N.C

CAM MOVEMENT (CAM TYPE 1)

120

120 THROW BETWEEN POSITIONS

N.O.

-18

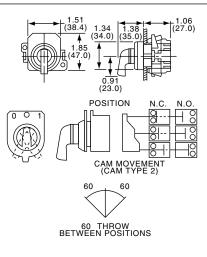
Contact blocks not supplied, order separately. (See page I8.) Legend plant included.

Model	Action	Lever	Position Number
M6402(*)	Maintained	Long	0 1

(*) Specify color by adding suffix number: (0) Black, (2) Red.



M6402(*)



3-POSITION SELECTOR MAINTAINED OR MOMENTARY

Metal Bushing

Contact blocks not supplied, order separately. (See page I8.) Legend plate included.

Model	Action	Lever	Cam	Position Number	
M6410(*)	Maintained	Long	2	2 0 1	
M6412(*)	Maintained	Long	3	2 0 1	
M6470(*)	Mom. 1 Side	Long	2	2 0 -1	
M6480(*)	Mom. 2 Sides	Long	2	2 → 0 → 1	
Indicates momentary return position					

(*) Specify color by adding suffix number: (0) Black, (2) Red.



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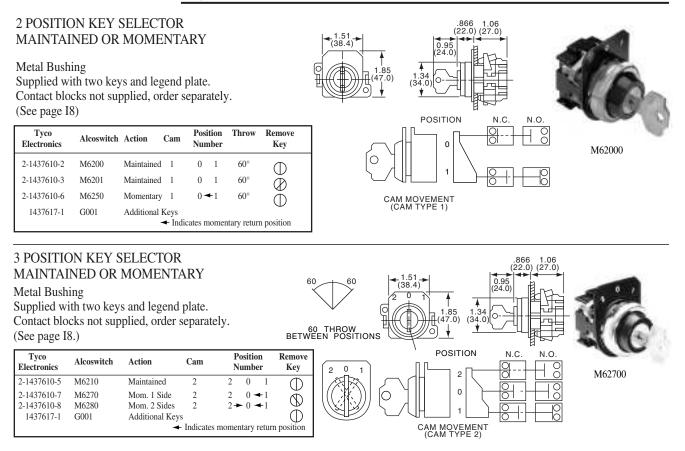
Series 6000

tyco

Electronics

Series 6000

Keylock or Pushbutton Switches, 30mm



1.18

1.34 (34.0)

(16.0)

.795 20.2

.669 (17.0)

(46.0)

1.69 (43.0)

.669

.795

ILLUMINATED EXTENDED BUTTON MOMENTARY

Metal Bushing

Lamp not supplied, order separately. (See page I15.) Uses T31/4 miniature bayonet base lamps. Lamp circuit is isolated. Contact blocks not supplied, order separately. (See page I8)

Model	Special Details	
M6120(*)406	Momentary	

(*) Specify color by adding suffix number: (2) Red, (4) Yellow, (5) Green, (9) White.

ILLUMINATED MUSHROOM MAINTAINED OR MOMENTARY

Metal Bushing

Lamp not supplied, order separately. (See page I15.) Uses miniature bayonet base lamps. Lamp circuit is isolated. Contact block not supplied, order separately. (See page I8.)

Model	Special Details
M6150(*)406	Momentary
M6153(*)406	Maintained, Push-Pull

(*) Specify color by adding suffix number: (2) Red, (4) Yellow, (5) Green, (9) White.

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M6150(*)406

M6120(*)406

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South America: 55-11-3611-1514 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-141-810-8967

Series 6000

Π

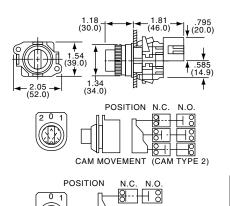


Series 6000

Selector Switches, 30mm, Illuminated



M6650(*)06



8-1-1---18

CAM MOVEMENT (CAM TYPE 1)

ILLUMINATED MAINTAINED **SELECTOR**

Metal Bushing

Lamp not supplied, order separately. (See page I15.) G31/2 lamps. Lamp circuit is isolated. Contact blocks not supplied, order separately. (See page I8.)

Model	Number Position	Action	Position Number		
M6653(*)406	3	Maintained	2	0	1
M6650(*)406	2	Maintained		0	1

(*) Specify color by adding suffix number: (2) Red, (4) Yellow, (5) Green.

Model	Action	2-Position Operator		3-Position Operator			
		0	1	1	0	2	
V40 or F40	N.C.	Х	0	Х	0	0	
V50 or F50	N.O.	0	Х	0	0	Х	
	Early						0.0
VA0 or FA0	N.O.	0	Х	0	Х	Х	O=Open X = Closed
	Make						X = Closed
VR0 or FR0	N.C.	Х	0	Х	Х	0	
	Break						

KEY TO SELECTION OF CONTACT BLOCKS Contact closure variations depend on the contact block models chosen. For these operators listed use this table for guidance in selecting blocks.

114

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses or brackets are metric equivalents. to change.

Dimensions are shown for reference purposes only. Specifications subject

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-5-729-0425 South America: 55-11-3611-1514 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-141-810-8967

Lamps/Transformers

LAMPS

The lamps with G31/2 bulbs fit all Reliant 22, Series 6000 illuminated operators and pilot lights. Lamps with T31/4 Bayonet Base fit all Reliant 22 and Series 6000 illuminated models (except QM120, QM122, and M6650, and M6655).

Tyco Electronics	Alcoswitch	Bulb	Rated Volts	Design Amps	MSCP	Average Rated Hours
1-1437620-5	755	T31/4	6.3	.15	.33	20,000
1-1437620-6	757	T31/4	28	.08	.62	7,500

*Not recommended for use with green or blue lenses.



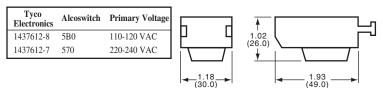
755

NE51HR

Application Note: For additional specifications, see page K10

STEP-DOWN TRANSFORMERS AC LINE TO 6V/6.3V

Snap mount on lighted operators and QM600, T6632 and RM600 pilot lights. Spade tipped leads connect to lamp terminals on operator. Screw terminals on primary. Use 6-6.3V lamps. 0-9 to 1.35 watts. Secondary winding is energy-limited.





1/8" Drill [3.17]

> **†** 7/8"

[22.22] Dia.

1/8" Drill

1-3/16" [30.16] Dia.

[3.17]

Panel Layouts

RELIANT'22 MINIATURE MODELS

Recommended hole mounting dimensions*

Minimum Center-To-Center Spacing

Inches/(mm)					
Operator Type	Α	В			
Pushbuttons, Pilots	1.19/30.2	1.66/42.2			
Mushroom, Selector Others	1.50/37.8 1.94/49.3	1.66/42.2 1.94/49.3			
~					

*Check dimensions for layouts using legend plates.

SERIES 6000 STANDARD MODELS

Recommended hole mounting dimensions* Minimum Center-To-Center Spacing Inches/(mm)

Operator Type	Α	В
Pushbuttons, Pilots	1.88/47.8	1.97/50.0
Mushroom, Selector Large Mushroom	2.25/57.2 3.00/76.2	2.25/57.2 3.00/76.2

*Check dimensions for layouts using legend plates.

Catalog 1308390 Issued 9-04

Issued 9-04 and millimeters unle specified. Values in p or brackets are metr

Dimensions are in inches

and millimeters unless otherwise specified. Values in parentheses or brackets are metric equivalents.

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PANEL HOLE

PANEL HOLE

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South America: 55-11-3611-1514 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-141-810-8967

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